What Is Claimed Is:

1   1.   A display system for image overlapping, comprising:

2   a detection module to receive a first image, and detect

3   synchronous signals therein;

4   a transmission interface coupled to the detection module

5   to receive a second image having position display information;

6   a control module coupled to the detection module and the

7   transmission interface to receive the synchronous signals and

8   the second image, generate a switch control instruction, and

9   transmit the switch control instruction for outputting the

10   second image when the position display information of the second

11   image conforms to a display status of the first image according

12   to the synchronous signals of the first image; and

13   a switch output device coupled to the control module to

14   receive the first image and the second image, and select both

15   the first image and the second image from the control module for

16   outputting the first and second images according to the switch

17   control instruction such that the second image overlaps the first

18   image.

1   2.   The display system of claim 1, wherein the detection

2   module further determines resolution information of the first

3   image according to the synchronous signals, and transmits the

4   resolution information via the transmission interface.

1   3.   The display system of claim 2, wherein the

2   transmission interface receives the second image conforming to

3   the resolution information.

1   4.   The display system of claim 1 further comprising a

2   conversion module coupled to the transmission interface to

3　convert the second image to have an image format conforming to

4　that of the display system.

1　　　5.　The display system of claim 4, wherein the image format

2　is a bitmap format.

1　　　6.　The display system of claim 1, wherein the synchronous

2　signals of the first image comprises horizontal synchronous,

3　vertical synchronous and clock signals.

1　　　7.　The display system of claim 1, wherein the position

2　display information comprises at least a coordinate and a pixel

3　resolution size of the second image.

1　　　8.　A display system for image overlapping, comprising:

2　　　a remote host to transmit a second image having position

3　display information;

4　　　a detection module to receive a first image, and detect

5　synchronous signals thereon;

6　　　a transmission interface coupled to the detection module

7　and the remote host to receive the second image;

8　　　a control module coupled to the detection module and the

9　transmission interface to receive both the synchronous signals

10　and the second image, generate a switch control instruction, and

11　transmit the switch control instruction for outputting the

12　second image when the position display information of the second

13　image conforms to a display status of the first image according

14　to the synchronous signals of the first image; and

15　　　a switch output device coupled to the control module to

16　receive the first image and the second image, and select both

17　the first image and the second image from the control module for

18　outputting the first and second image according to the switch

19　control instruction such that the second image overlaps the first

20　image.

1   9.   The display system of claim 8, wherein the detection
2   module further determines resolution information of the first
3   image according to the synchronous signals, and transmits the
4   resolution information to the remote host via the transmission
5   interface.

1   10.   The display system of claim 9, wherein the remote host
2   transmits   the   second   image   conforming   to   the   resolution
3   information to the transmission interface.

1   11.   The display system of claim 10, wherein the remote host
2   further converts the second image into one having an image format
3   of the first image.

1   12.   The display system of claim 8, wherein the synchronous
2   signals of the first image comprises horizontal synchronous,
3   vertical synchronous and clock signals.

1   13.   A display method for image overlapping, comprising the
2   steps of:
3   receiving   a   first   image   to   detect   synchronous   signals
4   thereon by a detection module;
5   either   receiving   or   transmitting   a   second   image   having
6   position display information by a transmission interface;
7   synchronously   receiving   the   second   image   from   the
8   transmission   interface   and   generating   a   switch   control
9   instruction by a control module;
10   transmitting the switch control instruction to output the
11   second image by the control module when the position display
12   information of the second image conforms to a display status of
13   the first image according to the synchronous signals of the first
14   image; and
15   receiving the first image and the second image from the
16   control module, and detecting to output the first image or the

13

17 second image by a switch output device according to the switch

18 control instruction.

1   14.   The display method of claim 13 further comprising a

2   step of determining resolution information of the first image

3   according to the synchronous signals, and transmitting the

4   resolution information via the transmission interface.

1   15.   The display method of claim 14 further comprising a

2   step of receiving the second image conforming to the resolution

3   information using the transmission interface.

1   16.   The display method of claim 13 further comprising a

2   step of converting the second image into one having an image

3   format.

1   17.   The display method of claim 16, wherein the image

2   format is a bitmap format.

1   18.   The display method of claim 13 wherein the synchronous

2   signals of the first image comprises horizontal synchronous,

3   vertical synchronous and clock signals.

1   19.   The display method of claim 13, wherein the second

2   image from the control module completely overlaps the first

3   image.

1   20.   The display method of claim 13, wherein the position

2   display information comprises at least a coordinate and a pixel

3   resolution of the second image.